

A high-angle photograph of a man with dark hair, wearing a light blue button-down shirt, sitting at a desk. He is looking down at a computer keyboard. His right hand is on the keyboard, and his left hand is on a computer mouse. There are several computer monitors on the desk. One monitor in the foreground shows a colorful circular chart. Another monitor in the background shows a line graph. The background is a light-colored wooden floor.

# Entendendo Virtual Hosts

Hospedando mais de um site por servidor



hcode

# O que são Virtual Hosts?



Virtual Host é um recurso incrível  
para os desenvolvedores.  
Sabemos que a pasta htdocs é o  
nosso localhost, o lugar onde o  
Apache procura os arquivos de  
nosso projeto.

Imagine que tenhamos muitos  
projetos e queremos acessar  
todos eles individualmente  
Usamos um virtual host para isso  
O mais interessante é que  
podemos acessá-los como um site  
realmente.





**Vamos dar um exemplo:**  
Suponhamos que temos um projeto  
na pasta C:/xampp/htdocs/website  
Vamos criar um virtual host para esse  
projeto



Para isso acesse  
C: /xampp/apache/conf/extra/  
httpd-vhosts.conf

```
File Edit Selection Find View Goto Tools Project Preferences Help
httpd-vhosts.conf x
1 # Virtual Hosts
2 #
3 # Required modules: mod_log_config
4
5 # If you want to maintain multiple domains/hostnames on your
6 # machine you can setup VirtualHost containers for them. Most configurations
7 # use only name-based virtual hosts so the server doesn't need to worry about
8 # IP addresses. This is indicated by the asterisks in the directives below.
9 #
10 # Please see the documentation at
11 # <URL:http://httpd.apache.org/docs/2.4/vhosts/>
12 # for further details before you try to setup virtual hosts.
13 #
14 # You may use the command line option '-S' to verify your virtual host
15 # configuration.
16 #
17 # Use name-based virtual hosting.
18 #
19 ##NameVirtualHost *:80
20 #
21 # VirtualHost example:
22 # Almost any Apache directive may go into a VirtualHost container.
23 # The first VirtualHost section is used for all requests that do not
24 # match a ##ServerName or ##ServerAlias in any <VirtualHost> block.
25 #
26 ##<VirtualHost *:80>
27     ##ServerAdmin webmaster@dummy-host.example.com
28     ##DocumentRoot "C:/xampp/htdocs/dummy-host.example.com"
29     ##ServerName dummy-host.example.com
30     ##ServerAlias www.dummy-host.example.com
31     ##ErrorLog "logs/dummy-host.example.com-error.log"
```

Line 42, Column 17 Spaces: 4 Plain Text





# Agora, para configurar um novo Virtual Host adicione este bloco de código:

```
<VirtualHost *:80>  
    ServerName local.cursophp7.com.br  
    DocumentRoot "C:/xampp/htdocs/website"  
    SetEnv APPLICATION_ENV "development"  
    <Directory " C:/xampp/htdocs/website">  
        Options Indexes FollowSymLinks Includes ExecCGI  
        AllowOverride All  
        Require all granted  
    </Directory>  
</VirtualHost>
```



# O arquivo deve ficar desta maneira

```
httpd-vhosts.conf x
25 # match a ##ServerName or ##ServerAlias in any <VirtualHost> block.
26 #
27 ##<VirtualHost *:80>
28     ##ServerAdmin webmaster@dummy-host.example.com
29     ##DocumentRoot "C:/xampp/htdocs/dummy-host.example.com"
30     ##ServerName dummy-host.example.com
31     ##ServerAlias www.dummy-host.example.com
32     ##ErrorLog "logs/dummy-host.example.com-error.log"
33     ##CustomLog "logs/dummy-host.example.com-access.log" common
34 ##</VirtualHost>
35
36 ##<VirtualHost *:80>
37     ##ServerAdmin webmaster@dummy-host2.example.com
38     ##DocumentRoot "C:/xampp/htdocs/dummy-host2.example.com"
39     ##ServerName dummy-host2.example.com
40     ##ErrorLog "logs/dummy-host2.example.com-error.log"
41     ##CustomLog "logs/dummy-host2.example.com-access.log" common
42 ##</VirtualHost>
43
44 <VirtualHost *:80>
45     ServerName local.cursophp7.com.br
46     DocumentRoot "C:/xampp/htdocs/website"
47     SetEnv APPLICATION_ENV "development"
48     <Directory "C:/xampp/htdocs/website">
49         Options Indexes FollowSymLinks Includes ExecCGI
50         AllowOverride All
51         Require all granted
52     </Directory>
53 </VirtualHost>
```





# Após isso, reinicie o Apache

Entretanto, se tentarmos acessar o endereço do Virtual Host, o navegador irá informar um erro, ou redirecionar para outro site na internet

Isso por que o computador ainda não sabe que aquele endereço se refere ao endereço local. Para mudarmos isso, acesse **C:/Windows/System32/drivers/etc/hosts**



hcode

# O arquivo deve estar assim:

```
1 # Copyright (c) 1993-2009 Microsoft Corp.
2 #
3 # This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
4 #
5 # This file contains the mappings of IP addresses to host names. Each
6 # entry should be kept on an individual line. The IP address should
7 # be placed in the first column followed by the corresponding host name.
8 # The IP address and the host name should be separated by at least one
9 # space.
10 #
11 # Additionally, comments (such as these) may be inserted on individual
12 # lines or following the machine name denoted by a '#' symbol.
13 #
14 # For example:
15 #
16 #      102.54.94.97      rhino.acme.com      # source server
17 #      38.25.63.10      x.acme.com          # x client host
18
19 # localhost name resolution is handled within DNS itself.
20 # 127.0.0.1      localhost
21 # ::1            localhost
22
23 0.0.0.1 mssplus.mcafee.com
```



Agora, precisamos apenas informar que o endereço do Virtual Host é em nosso localhost  
Desta forma:

```
1 # Copyright (c) 1993-2009 Microsoft Corp.
2 #
3 # This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
4 #
5 # This file contains the mappings of IP addresses to host names. Each
6 # entry should be kept on an individual line. The IP address should
7 # be placed in the first column followed by the corresponding host name.
8 # The IP address and the host name should be separated by at least one
9 # space.
10 #
11 # Additionally, comments (such as these) may be inserted on individual
12 # lines or following the machine name denoted by a '#' symbol.
13 #
14 # For example:
15 #
16 #      102.54.94.97      rhino.acme.com      # source server
17 #      38.25.63.10      x.acme.com          # x client host
18
19 # localhost name resolution is handled within DNS itself.
20 #   127.0.0.1      localhost
21 #   ::1            localhost
22
23 127.0.0.1  local.cursophp7.com.br
24
25 0.0.0.1 mssplus.mcafee.com
```



hcode

Com isso, já temos nosso primeiro projeto.

Caso tenhamos que definir outros projetos, basta criar um novo Virtual Host no arquivo `httpd-vhosts.conf` e pronto

Agora é só desenvolver o site.



hcode